

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

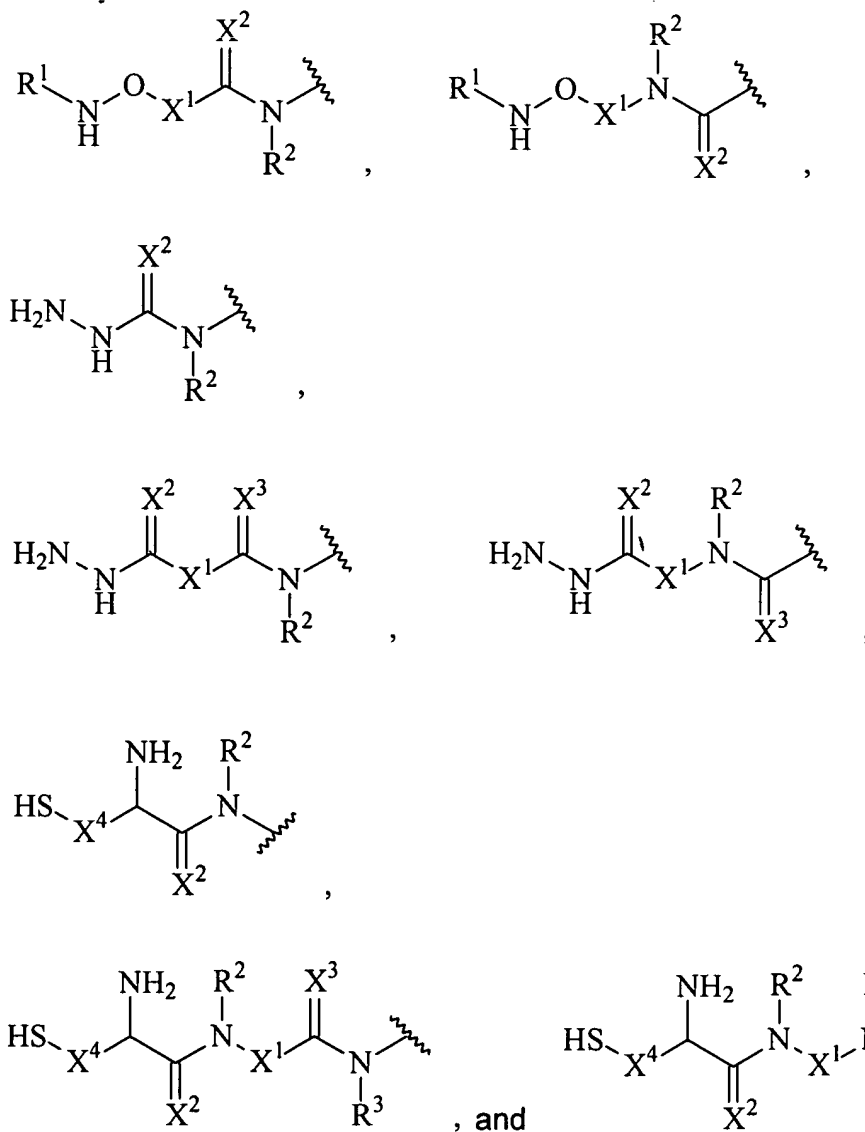
Listing of Claims:

1. (Original) A substance which can specifically interact with sugar chains.
2. (Original) A substance according to claim 1, wherein a level of the interaction between the substance and the sugar chains is such that a necessary dissociation energy when laser irradiation is performed in a MALDI-TOF is at least 5eV.
3. (Original) A substance according to claim 1, which is bindable to a support.
4. (Original) A substance according to claim 1, wherein the substance comprises a functional group which can react with an aldehyde group in a fluid.
5. (Original) A substance according to claim 4, wherein the functional group is selected from a group consisting of a hydroxylamino group, a N-alkylhydroxylamino group, a hydrazide group, a thiosemicarbazide group and a cysteine residue.
6. (Original) A substance according to claim 1, wherein the interaction comprises a covalent bond.

7. (Original) A substance according to claim 1, wherein the interaction comprises oxime bond, hydrazone bond, thiosemihydrazone bond, perhydrothiazine ring formation or thiazolidine ring formation.

8. (Currently Amended) A substance according to claim 1, represented by formula (I): X-Y-Z (I)

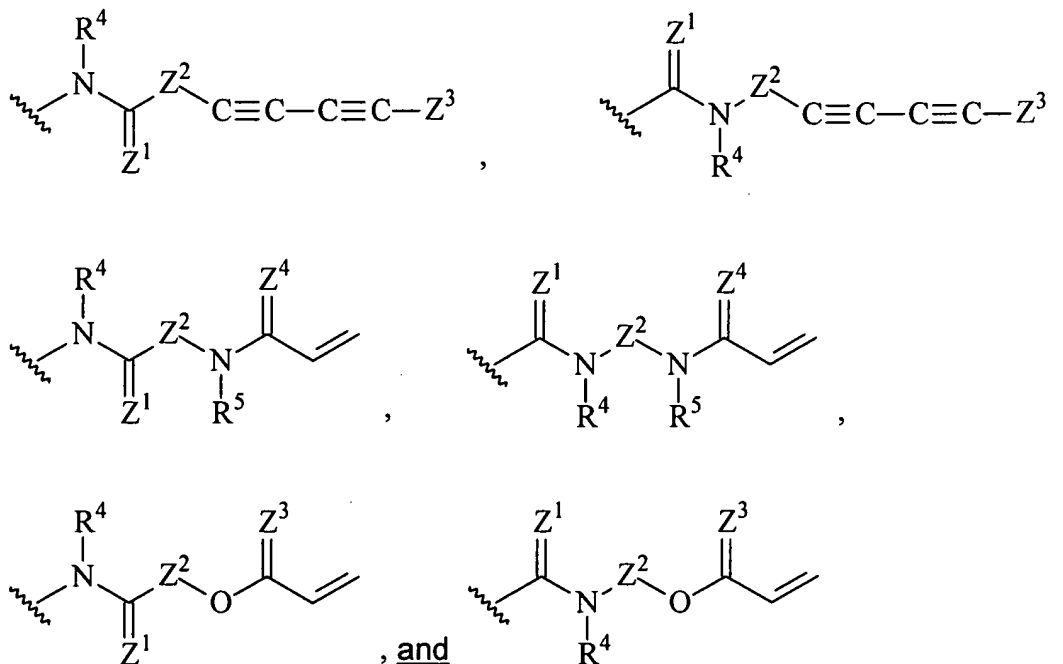
~~{wherein herein, X is selected from the group consisting of a group~~
 represented by formulae:



~~wherein~~(herein, X¹ is substituted or unsubstituted alkylene ~~which may be substituted or~~ substituted or unsubstituted alkenylene which may be substituted, X² is an oxygen atom or a sulfur atom, X³ is ~~an oxygen atom or a sulfur atom~~, X⁴ is methylene or ethylene, R¹ is ~~a hydrogen atom or alkyl~~, and R² and R³ are independently ~~a hydrogen atom or alkyl~~);

Y is single bond; ~~optionally~~optionally substituted alkylene in which at least one group selected from the group consisting -O-, -S-, -S-S-, -N(R^a)-C(=O)-, -C(=O)-N(R^b)-, and phenylene which may be substituted, may intervene; or ~~optionally~~optionally substituted alkenylene in which at least one group selected from the group consisting -O-, -S-, -S-S-, -N(R^a)-C(=O)-, -C(=O)-N(R^b)-, and phenylene which may be substituted, may intervene, ~~(herein~~wherein, R^a and R^b are independently ~~a hydrogen atom or alkyl~~);

Z is ~~a group represented by formulae~~ selected from the group consisting of:



~~(herein~~wherein, Z¹ is an oxygen atom or sulfur atom, Z² and Z³ are independently ~~optionally~~optionally substituted alkylene in which phenylene may

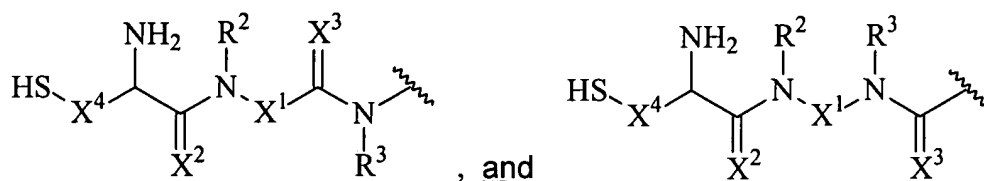
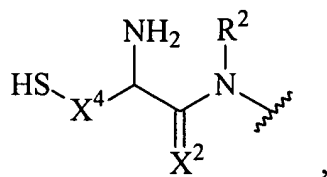
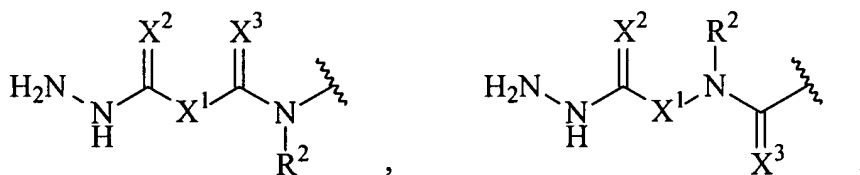
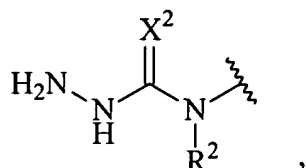
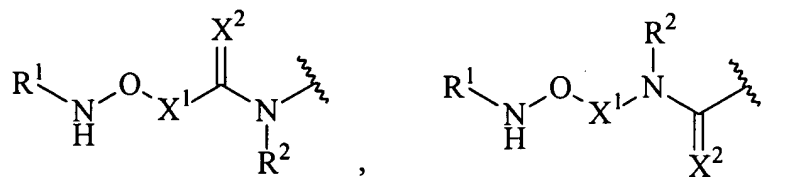
intervene, or ~~optionally~~optionally substituted alkenylene in which phenylene may intervene, Z^4 is an oxygen atom or a sulfur atom, R^4 and R^5 are independently a hydrogen atom or alkyl}.

9. (Original) A substance obtained by polymerizing the substance according to claim 8.

10. (Original) A substance according to claim 9, wherein the polymerization is initiated by UV-irradiation.

11. (Original) A substance according to claim 9, obtained by polymerizing a monolayer obtained by physical adsorption of Z site of the compound represented by formula (I) to a support.

12. (Currently Amended) A substance according to claim 1, which is a copolymer obtained by polymerizing a compound represented by formula (I): X-Y-Z (I)
~~herein~~wherein, X is a group represented by formulae selected from the group consisting of:

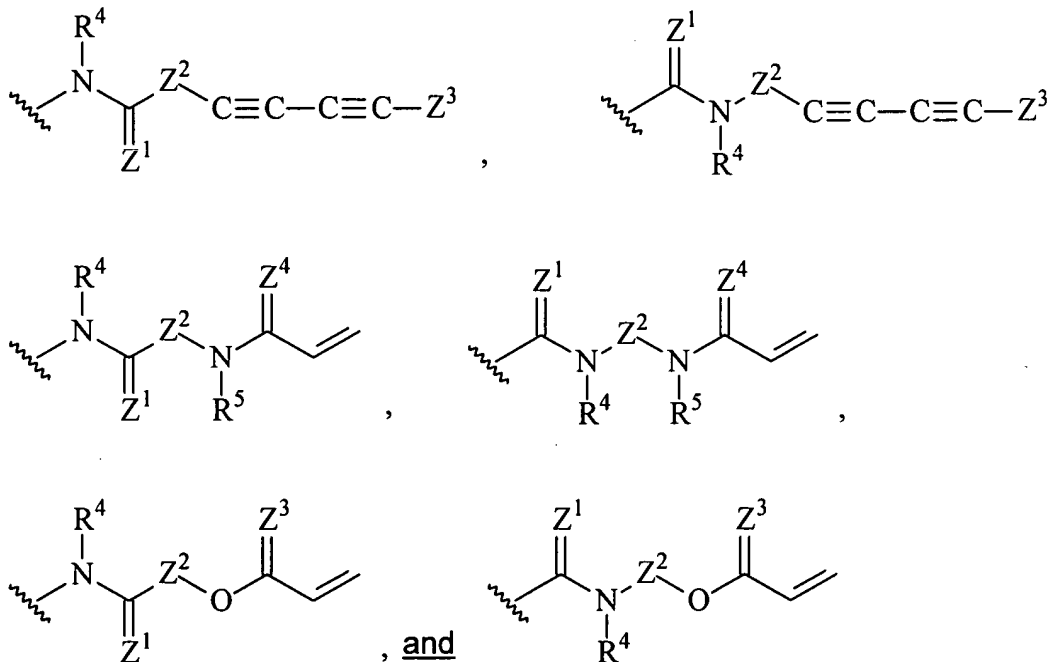


(~~herein~~wherein, X^1 is ~~alkylene which may be substituted or alkenylene~~ which may be substituted substituted or unsubstituted alkylene, substituted or unsubstituted alkenylene, X^2 is ~~an oxygen atom or a sulfur atom~~, X^3 is ~~an oxygen atom or a sulfur atom~~, X^4 is methylene or ethylene, R^1 is ~~a hydrogen atom or alkyl~~, and R^2 and R^3 are independently ~~a hydrogen atom or alkyl~~);

Y is single bond; ~~optionally~~ optionally substituted alkylene in which at least one group selected from the group consisting of -O-, -S-, -S-S-, -N(R^a)-C(=O)-, -C(=O)-N(R^b)-, and phenylene which may be substituted, may intervene; or ~~optionally~~

optionally substituted alkenylene in which at least one group selected from the group consisting of -O-, -S-, -S-S-, -N(R^a)-C(=O)-, -C(=O)-N(R^b)-, ~~and substituted or unsubstituted phenylene which may be substituted~~, may intervene (~~hereinwherein~~, R^a and R^b are independently a hydrogen atom or alkyl);

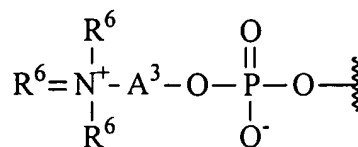
Z is a group represented by formulae selected from the group consisting of:



(~~hereinwherein~~, Z¹ is an oxygen atom or sulfur atom, Z² and Z³ are independently ~~optionally~~ optionally substituted alkenylene in which phenylene may intervene, or ~~optionally~~ optionally substituted alkenylene in which phenylene may intervene, Z⁴ is an oxygen atom or a sulfur atom, R⁴ and R⁵ are independently a hydrogen atom or alkyl}); and

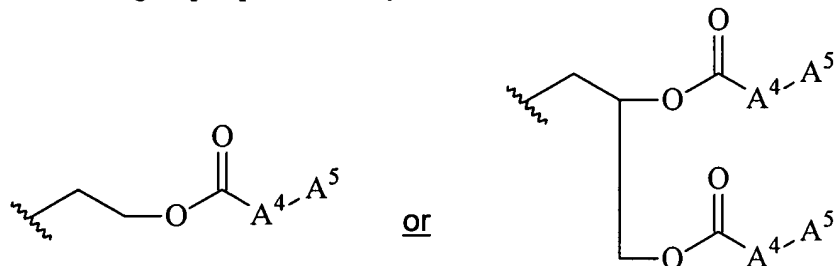
a compound represented by formula (II): A¹-A²(II)

~~hereinwherein~~, A¹ is H(OCH₂CH₂)_nO- (n is an integer from 1 to 5) or a group represented by a formula:

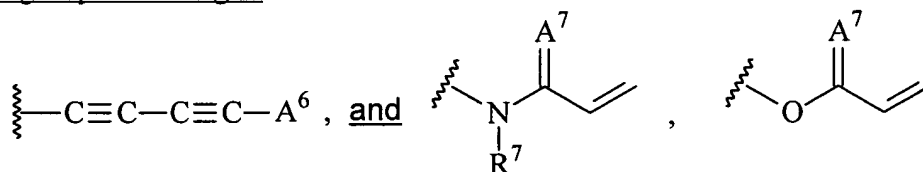


~~(hereinwherein,~~ A³ is alkylene, and R⁶ is alkyl); and

A² is a group represented by formulae:



~~(hereinwherein,~~ A⁴ is alkylene, and A⁵ is ~~represented by formulae selected~~
from the group consisting of:



(A⁶ is alkylene, A⁷ is ~~an oxygen atom or a sulfur atom,~~ and R⁷ is a
 hydrogen atom ~~or alkyl~~)).

13. (Original) A substance according to claim 12, wherein the polymerization is initiated by UV-irradiation.

14. (Original) A substance according to claim 12, wherein mole fraction of the compound represented by formula (II) is 0.1 to 0.9.

15. (Original) A substance according to claim 12, obtained by polymerizing monolayers obtained by physical adsorption of Z site of the compound represented by formula (I) and A² site of the compound represented by formula (II) to a support.

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16. (Original) A substance according to claim 12, obtained by polymerizing water dispersion or a cast film of a mixture comprising the compound represented by formula (I) and the compound represented by formula (II).

17. (Original) A sugar chain-trapping carrier, comprising a substance which can specifically interact with sugar chains.

18. (Original) A sugar chain-trapping carrier, in which the substance according to claim 9 or 12 is transferred to a support.

19.-43. (Cancelled)